

Resin Exudation

When resin has exuded through a permeable coating, the best remedial treatment is to allow the resin to weather until it dries and oxidises, forming a white crystalline powder. The dried resin can then be removed with a stiff nylon or natural bristle brush, and any remaining residues washed off with a cloth.

Water based coatings, with their relatively high degree of moisture vapour permeability, are more likely to allow the passage of resin to the surface without damage to the coating, and if the finish is not damaged by over-vigorous scrubbing during crystal removal, re-coating is often unnecessary.

Although it may be unsightly, it is better not to remove fresh sticky resin. In practice, this can be very difficult, and the presence of sticky resin indicates that the exudation is still continuing.

The remedial work for resin exudation is often best left until the first maintenance period, by which time the resin has normally fully crystallised. After removal as described above, the overall application of one maintenance coat of finish restores the general appearance of the timber and maintains its protection.

Knot Discolouration

The discoloration of coatings over knots is influenced by many factors. It is important to identify the probable cause of staining before starting any remedial work, since if the underlying cause is still present (such as active preservative treatment), the necessary time must be given for it to finish.

There are a number of practical methods to restore the decorative finish if knot staining occurs and the following options are intended to enable an informed decision to be made.

This guidance is based on the coating surface being sound & not broken by physical resin exudation.

Option 1

This is an aesthetic solution that enables the removal of the surface discoloration created when the extractive pigments oxidise on the surface of the coating: -

- Ensure there is adequate ventilation in the area where the remedial work is required.
- Clean down and wash the area to be repaired to remove all surface dirt and allow to thoroughly dry.
- Moisten a soft cloth with Methylated Spirit and then wipe gently across the stained area until the stain has been removed. **NB. Continued exposure of the coating to Methylated Spirit can soften the coating so care must be taken when carrying out this procedure.**
- In some cases faint discoloration may still remain and a localised application of the factory applied topcoat maybe required using a good quality synthetic brush.

Option 2

This is a more extensive solution and involves the use of an additional coating to provide a more robust resistance to potential future staining from resinous extractives.

- Lightly abrade the discoloured area with a fine grade abrasive paper.

Maintenance Guidelines

Site rectification of knot and resin staining

- Clean down and wash the area to be coated to remove dirt, and allow to thoroughly dry.
- Spot prime all discoloured areas with a solvent primer such as Teknal 2500. Allow to thoroughly dry.
- Feather out the repair using a fine grade abrasive paper.
- Using a good quality, long haired, synthetic brush, designed for use with acrylic paints; apply a single coat of Aquatop 2600 in the appropriate shade/colour to the affected component. Allow to thoroughly dry.

When carrying out any coating work, do not attempt to paint when the temperature is below 5 degrees Celsius, or if the relative humidity exceeds 80% as the curing and performance of the coating may be impaired.

If there is any doubt about the substrate or underlying paint film, apply the appropriate Teknos products to a small, inconspicuous area. Allow to dry for 24 hours and then inspect the appearance and adhesion to substrate.

Repair products can be obtained from Teknos (UK) Limited, and can be stored in frost free conditions for up to six months in sealed packaging.



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